

**EXPORT LICENSE**

NRC FORM 250



**United States of America**  
Nuclear Regulatory Commission  
Washington, D.C. 20555

**NRC LICENSE NO.:** PXB224.02

Page 1 of 6

**NRC DOCKET NO.:** 11006318**LICENSE EXPIRES:** December 31, 2024

Pursuant to the Atomic Energy Act of 1954, as amended, and the regulations issued by the Nuclear Regulatory Commission (NRC) pursuant thereto, and in reliance on statements and representations heretofore made by the applicant/licensee, this license is hereby issued authorizing the licensee to export of the byproduct materials listed below, subject to the terms and conditions herein. This license is only valid if the licensee or 'Other Party (ies) to Export' maintain the requisite NRC or Agreement State domestic license(s).

**LICENSEE**

ISOFLEX Radioactive LLC  
108 Teal Street  
St. Rose, LA 70087

Attn: Kevin J. Schehr

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)**

See following page(s)

**INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)**

Fluoroscopy Techniques Laboratory  
301 Nirmal Industrial Estate  
Near Nehru Park, Sion (East)  
Mumbai 400022  
India  
(distributor)

**OTHER U.S. PARTY(IES) TO EXPORT**

None

**APPLICANT'S REFERENCE:** Application Dated 11/19/21**ULTIMATE DESTINATION:** India

**DESCRIPTIONS OF 10CFR PART 110, APPENDIX P, BYPRODUCT MATERIALS  
TO BE EXPORTED, INCLUDING CONDITIONS AND NOTES**

(NOTE: SEE PAGE 6 FOR DEFINITIONS OF CATEGORY 1 AND CATEGORY 2)

Export to India of Category 2 quantities of Ir-192 not to exceed 79 terabecquerels (TBq); Se-75 not to exceed 150 TBq, and Yb-169 not to exceed 7.4 TBq, for industrial radiography to the end-users listed is authorized.

Licensee is responsible for compliance with all applicable export, and other domestic regulatory requirements, including all terms and conditions of domestic material possession licenses.

Licensee must submit pertinent documentation required by 10 CFR § 110.32(g) at least 24 hours prior to shipment. See Page 6 for Mandatory Advanced Notifications.

This license replaces PXB224.01 by extending the expiration date from December 31, 2021 to December 31, 2024.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

**THIS LICENSE IS INVALID UNLESS SIGNED BELOW  
BY AUTHORIZED NRC REPRESENTATIVE**

**NAME AND TITLE:** Peter J. Habighorst  
Digitally signed by Peter J. Habighorst  
Date: 2021.12.28 15:12:56 -0500  
**Peter J. Habighorst, Acting Deputy Director  
Office of International Programs**

**DATE OF ISSUANCE:** December 28, 2021

**EXPORT LICENSE**

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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|---|--|
| 1. AMBITION NDT & INSPECTION TECHNOLOGY<br>Iswar Krupa Sadan Dehu Fhata<br>Moshi Tai<br>Haweli Pune Nashik Highway Pune-412105<br>India<br><br>(industrial radiography)                 | 2. APT X-Ray (INDIA) PVT LTD (BRANCH OFFICE)<br>B-2 Shree Niwas No.8, Vennu Reddy Street<br>Guindy, Chennai 600032<br>India<br><br>(industrial radiography)  |
| 3. APT X-Ray (INDIA) PVT LTD (HEAD OFFICE)<br>Office No.3 Mangal Murti, Plot No 31<br>Jawahar Nagar, Road No 12<br>Goregaon (W), Mumbai 400062<br>India<br><br>(industrial radiography) | 4. ASCENT NDT SERVICES<br>Plot No.14, Laxminagar, 1st Street<br>Indira Nagar Main<br>Manapakkam, Trichy-620015<br>India<br><br>(industrial radiography)  |
| 5. ASCO INDUSTRIAL CORPORATION<br>7A Industrial Area<br>Sonipat-13100 (H.R.)<br>India<br><br>(industrial radiography)   | 6. Bolax NDT Engineering<br>Plot No. 75/A/3/5, Telco - Bhosari Road, General Block<br>MIDC, Corporation Bank, Next To Tuljia Bhavani Complex<br>Bhosari, Pune, Maharashtra 411026<br>India<br><br>(industrial radiography) |
| 7. Bolax NDT Engineering (KOLHAPUR OFFICE)<br>5 Star MIDC Kagal, Plot No. G - 107<br>Randive Wadi Road, MIDC, Kolhapur<br>Maharashtra 416236<br>India<br><br>(industrial radiography)   | 8. Bolax NDT Engineering (Rajkot Office)<br>Panna Furniture Industries, S. No. 267/2, Shaper Industrial Area, Behind Nova Techno Shaper, Rajkot 360024 Gujarat<br>India<br><br>(industrial radiography)                    |
| 9. CALCUTTA TECHNO HEATERS (INDIA) PVT, LTD.<br>22A Dum Dum Road<br>Kolkatta-700002<br>India<br><br>(industrial radiography)  | 10. CR Quality and Engg Services<br>Gyan Pushpa Building<br>Office No. 1 & 2, Beside Bharat Forge<br>Pune-Nashik Highway, Kuruli, Chakan, Pune 410501<br>India<br><br>(industrial radiography)                             |
| 11. CREATIVE NDT SERVICES<br>Shop No. 13&14, Soham Industrial Complex, Plot 318<br>PCNTDA, Sector 10, MIDC, Bhosari, Pune 411026<br>India<br><br>(industrial radiography)               | 12. GANDHI NDT SERVICES<br>2 Shrinath Society, Usmanpura<br>Ashram Road, Ahmedabad 380013<br>India<br><br>(industrial radiography)   |
| 13. GB ENGINEERING ENTERPRISES P. LTD.<br>D-99 Developed Plots Estate Thuvakudi, Tiruchirapalli 620015<br>India<br><br>(industrial radiography)   | 14. GLOBAL INSPECTION SERVICES<br>MB2 Sunshine Complex, Panchvati<br>Gorwa, Refinery Road, Vadodara 390005<br>India<br><br>(industrial radiography)  |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| <p>15. HDO TECHNOLOGIES P. LTD.<br/>5 1/2 Near Vatva Railway Crossing GIDC<br/>Ahmedabad 382445<br/>India<br/><br/>(industrial radiography)</p>                                     | <p>16. HI-TECH RADIOGRAPHIC INSPECTION SERVICES<br/>160/1 Royal Puspa Park<br/>Street no.3,80 feet Road, New Aaramwadi<br/>Khodiyar Colony, Jamnager 361006<br/>India<br/><br/>(industrial radiography)</p> |
| <p>17. HINDUSTAN ENGINEERING &amp; INDUSTRIES LTD<br/>Mody Building, 27 Sir R. N. Mukharjii Road<br/>Kolkatta 700001<br/>India<br/><br/>(industrial radiography)</p>                | <p>18. INDIRA Gandhi Centre for Atomic Research<br/>Radiological Safety Division, Kalpkkam 603102<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>19. INDUS NDT &amp; HEAT TREATERS<br/>Row House No. 11, Hill View CHS Ltd.<br/>Saikrupa Complex<br/>Kashimira Road, Thane 401104<br/>India<br/><br/>(industrial radiography)</p> | <p>20. INDUSTRIAL X-RAY &amp; ALLIED RADIGRAPHERS P. LTD<br/>102 Faizen Apartment, 1st floor, S. V. Road<br/>Jogeswari (W) Mumbai 400102<br/>India<br/><br/>(industrial radiography)</p>                    |
| <p>21. INJO TECHNICAL SERVICES<br/>Office no. 44 Yugay Mangal Complex<br/>Kothrud, Near ICIC Bank PUNE 411038<br/>India<br/><br/>(industrial radiography)</p>                       | <p>22. INTERNATIONAL RADIOGRAPHY SERVICES<br/>RM.12 12 Udyog Darshan Society G-Block,<br/>MDIC<br/>Shahunagar Chinchwad, Pune 411019<br/>India<br/><br/>(industrial radiography)</p>                        |
| <p>23. INTEROCEAN SHIPPING CO<br/>506 Embassy Centre, 207 Naroman Point<br/>Mumbai 400021<br/>India<br/><br/>(industrial radiography)</p>   | <p>24. IRICO (Admin Office)<br/>SP-111, Ambattur Industrial Estate<br/>Ambattur, Chennani 600058<br/>India<br/><br/>(industrial radiography)</p>  |
| <p>25. IRICO (Coimbatore)<br/>No 75, Sidco Industrial Estate<br/>Kurichi<br/>Coimbatore 641021<br/>India<br/>(industrial radiography)</p>   | <p>26. IRICO (Plant B)<br/>Old No 69<br/>Natesan Nager<br/>Vivekananda Street, Athipet,<br/>Chennai 600095 India<br/><br/>(industrial radiography)</p>  |
| <p>27. IRICO (Ranipet)<br/>No. 477/9, Sipcot Industrial Estate Ranipet-<br/>632403<br/>India<br/><br/>(industrial radiography)</p>  | <p>28. JUPITER INSPECTION SERVICES<br/>Plot no. 406, 4th floor, Arjun Park, Chs. Ltd.<br/>Road no.9, Raghunath Nager,<br/>Thane 400604<br/><br/>(industrial radiography)</p>                                |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| <p>29. METALAB<br/>42A Industrial Area, Govinpura<br/>Bhopal (M.P) 462023<br/>India<br/><br/>(industrial radiography)</p>  | <p>30. METALCARE ENGINEERING SERVICES<br/>S.F.No.151 Trichy Thuraiyur Road<br/>Peramangalam, Tiruchirappalli 621006<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>31. NATIONAL POWER CORP of INDIA LTD<br/>Rawatbhata Rajstahan Site Unit 5 &amp; 6<br/>P.O. Anushakti, VCia<br/><br/>(industrial radiography)</p>  | <p>32. NATIONAL RADIOGRAPHY SERVICES<br/>63 Gokul Nagar – 3, Saibaba School Kalai Fatak<br/>Atladra, Vadodara 390012<br/>India<br/><br/>(industrial radiography)</p>  |
| <p>33. NDT SYSTEMS PVT LTD<br/>C-15 Sunrise CSH Ltd, Shiv Vallabh Road<br/>Ashokvan, Borivali (East),<br/>Mumbai 400066<br/>India<br/><br/>(industrial radiography)</p>                              | <p>34. NIMAY NDT SERVICES<br/>43/B GIDC, Makarpura Industrial Estate<br/>Vadodara 390010<br/>India<br/><br/>(industrial radiography)</p>  |
| <p>35. NOBEL NDT SERVICES<br/>Shop No. 2 Baija Complex, Near Sant<br/>Gajanan Hospital<br/>Chimbali Phata, Pune Nashik Road<br/>Pune 410501<br/>India<br/><br/>(industrial radiography)</p>          | <p>36. PROCESS CONSTRUCTION &amp; TECHNICAL<br/>SERVICES (P) Ltd.<br/>8,9,10, SHREE RAMKRISHNA NIVA " Plot<br/>no.46,47<br/>Sector-40, Seawoods Nerul (West) N.<br/>Mumbai 400706<br/>India<br/><br/>(industrial radiography)</p> |
| <p>37. PROTAN NDT SERVICES<br/>SF 21 Vardan Apartment, Abhay Khand<br/>3 Indrapuram,<br/>Ghazaibad 201010<br/>India<br/><br/>(industrial radiography)</p>  | <p>38. RADAX SERVICES<br/>42/2A Maharani Indira Devi Road<br/>Pallishree, Kolkatta 700060<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>39. RADIOTECH<br/>87-90 Bahagvati Estate, B/H Uttam Dairy<br/>Aamraiwadi Road,<br/>Ahmedabad 380026<br/>India<br/><br/>(industrial radiography)</p>   | <p>40. REAL NDT INSPECTION SERVICES<br/>Flat no.14 Ritesh Residency, Guruvihar, Pune<br/>Nashik Highway Bhosari ,Pune 400039<br/>India<br/><br/>(industrial radiography)</p>  |
| <p>41. S &amp; P NDT SERVICES<br/>203/1 Ashanagar, Near Shindhvai Gam,<br/>Vimal Washing<br/>C.T.M. Char Rasta, Ramol Road,<br/>Ahmedabad<br/>380026<br/>India<br/><br/>(industrial radiography)</p> | <p>42. SCIENTECH SERVICES<br/>No. 15 Singasandra, 14th KM Hosur Road<br/>Bangalore 560068<br/>India<br/><br/>(industrial radiography)</p>   |
|  | <p>44. SIDDHI TECHNICAL SERVICES<br/>Gat No. 890/9, Plot No. 23, MIDC<br/>Shiroli Nagaon, Kolhapur 416122<br/>India<br/><br/>(industrial radiography)</p>   |

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES) Continued:**

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| <p>43. SIASRUSHTHI TECHNICAL SERVICES<br/>B-107 Punit Industrial Estate, Plot no. D11/11A<br/>Turbhe MIDC, Thane Belapur Road, Thane<br/>400705<br/>India<br/><br/>(industrial radiography)</p>           | <p>46. SITAS NDT (BANGALOR CORP OFFICE)<br/>#51, 3rd Floor, 5th Main Road, 36th Cross, 5th<br/>Block<br/>Jayanagar, Bangalore<br/>Karnataka 560041<br/>India<br/><br/>(industrial radiography)</p>      |
| <p>45. SIGMA INSPECTION &amp; TESTING PVT. LTD Plot<br/>no. 1607, Phase 1&amp;2 Lion School Road,<br/>Mahavir<br/>Rice Mill GIDC Naroda, Ahmedabad 382330<br/>India<br/><br/>(industrial radiography)</p> | <p>48. SITAS NDT (HUBLI)<br/>Plot No. 90 B, Tarihal Industrial Area<br/>Tarihal, Hubli<br/>Karnataka -580 026<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>47. SITAS NDT (COIMBATORE)<br/>SF No. 472/1,2,3, Sendhampalayam, S.S. Kulam<br/>(via)<br/>P.G.Pudur(Post) Coimbatore 641107, Tamilnadu<br/><br/>(industrial radiography)</p>                           | <p>50. UNIQUE NDT SERVICES<br/>Plot no. 88, Sector no.10, Bhosari<br/>Near Spine Road Pune 411026<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>49. SITAS NDT (SHIMOGA)<br/>No. 19 - F, Machenahalli Shimoga, Bhadravathi<br/>Industrial Area<br/>Shimoga - 577222, Karnataka<br/>India<br/><br/>(industrial radiography)</p>                          | <p>52. View NDT (Coimbatore)<br/>S.F.No. 233/2B &amp; 2C<br/>MasagoundanChettiPalayam Village<br/>Telungupalayam Road, Near Annur<br/>Coimbatore 641653<br/>India<br/><br/>(industrial radiography)</p> |
| <p>51. UNIQUE RADIOGRAPHY SERVICES<br/>185-186 Shubh Industrial Estate, Near Zaveri<br/>Estate<br/>Kathwada GIDC, Odhav, Ahmedabad<br/>382415<br/>India<br/><br/>(industrial radiography)</p>             | <p>54. WEB NDT SERVICES<br/>Main Market Anapara, DTH Baba Road<br/>Sonbhadra 231225<br/>India<br/><br/>(industrial radiography)</p>   |
| <p>53. View NDT (Trichy)<br/>1152/A, Kainankarai, Mathur Post Pudukkottai<br/>Road<br/>Trichy 622515<br/>India<br/><br/>(industrial radiography)</p>  |   |

# **MANDATORY ADVANCED NOTIFICATIONS PER 10 CFR PART 110.50(c)**

The following Advanced Notifications must be made to both the NRC and, in case of exports, the government of the importing country in advance of each shipment:

Mandatory Advanced Notifications to the NRC are to be emailed to [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov) (preferred method) or faxed to the NRC at 301-816-5151. In the subject line of the email or on the fax cover page include: "10 CFR 110.50(c) Notification." For technical assistance, use the same e-mail address or call 301-287-9056.

Mandatory Advanced Notifications to the government of the importing country must be emailed or faxed to the appropriate foreign government authorities. To locate the point-of-contact for international Advanced Notifications see: <http://www-ns.iaea.org/downloads/rw/imp-export/import-export-contact-points.pdf>. In the subject line of the email or on the fax cover page include: "NOTIFICATION TO THE IMPORTING STATE PRIOR TO SHIPMENT OF CATEGORY 1 OR 2 RADIOACTIVE SOURCES." For technical assistance or for countries not listed, contact the Office of International Programs' export/import staff at 301-287-9056.

**Table 1: Appendix P to Part 110 Category 1 and Category 2 Radioactive Material Threshold Limits**

Radioactive Material	Category 1		Category 2	
	Terabequerels (TBq)	Curies (Ci) <sup>1</sup>	Terabequerels (TBq)	Curies (Ci) <sup>1</sup>
Americium-241 (Am-241)	60	1,600	0.6	16
Americium-241/Beryllium (Am-241/Be)	60	1,600	0.6	16
Californium-252 (Cf-252)	20	540	0.2	5.4
Curium-244 (Cm-244)	50	1,400	0.5	14
Cobalt-60 (Co-60)	30	810	0.3	8.1
Cesium-137 (Cs-137)	100	2,700	1.0	27
Gadolinium-153 (Gd-153)	1,000	27,000	10.0	270
Iridium-192 (Ir-192)	80	2,200	0.8	22
Plutonium-238 <sup>2</sup> (Pu-238)	60	1,600	0.6	16
Plutonium-239/Beryllium <sup>2</sup> (Pu-239/Be)	60	1,600	0.6	16
Promethium-147 (Pm-147)	40,000	1,100,000	400	11,000
Radium-226 <sup>3</sup> (Ra-226)	40	1,100	0.4	11
Selenium-75 (Se-75)	200	5,400	2.0	54
Strontium-90 (Y-90)	1,000	27,000	10.0	270
Thulium-170 (Tm-170)	20,000	540,000	200	5,400
Ytterbium-169 (Yb-169)	300	8,100	3.0	81

## **Calculation of Shipments Containing Multiple Sources or Radionuclides:**

The "sum of fractions" methodology for evaluating combinations of radionuclides being transported is to be used when import or export shipments contain multiple sources or multiple radionuclides. The threshold limit values used in a sum of the fractions calculation must be the metric values (i.e., TBq).

I. If multiple sources and/or multiple radionuclides are present in an import or export shipment, the sum of the fractions of the activity of each radionuclide must be determined to verify the shipment is less than the Category 1 or 2 limits of Table 1, as appropriate. If the calculated sum of the fractions ratio, using the following equation, is greater than or equal to 1.0, then the import or export shipment exceeds the threshold limits of Table 1 and the applicable security provisions of this part apply.

II. Use the equation below to calculate the sum of the fractions ratio by inserting the actual activity of the applicable radionuclides or of the individual sources (of the same radionuclides) in the numerator of the equation and the corresponding threshold activity limit from the Table 1 in the denominator of the equation. Ensure the numerator and denominator values are in the same units and all calculations must be performed using the TBq (i.e., metric) values of Table 1.

R1 = activity for radionuclides or source number 1      AR1 = activity limit for radionuclides or source number 1  
R2 = activity for radionuclides or source number 2      AR2 = activity limit for radionuclides or source number 2  
RN = activity for radionuclides or source number n      ARN = activity limit for radionuclides or source number n

$$\sum_{i=1}^n \left[ \frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \frac{R_n}{AR_n} \right] \geq 1$$

<sup>1</sup> The values to be used to determine whether a license is required are given in TBq. Curie (Ci) values are provided for practical usefulness only and are rounded after conversion.

<sup>2</sup> The limits for exports of Pu-238 and Pu-239/Be can be found in § 110.21.

<sup>3</sup> Discrete sources of Radium-226.